Lake Britton Area Groundwater Basin

• Groundwater Basin Number: 5-46

• County: Shasta

• Surface Area: 14,060 acres (22 square miles)

Basin Boundary and Hydrology

Lake Britton Groundwater Basin is located within a west-northwest trending valley in a region of several northwest trending faults. The basin is bounded to the south by Pleistocene basalt, to the west by Tertiary andesite, and to the north by Miocene basalt and Pliocene andesite (Gay 1968, Lydon 1969). The valley is drained by the Pit River. Annual precipitation ranges from 21-to 43-inches, increasing to the east.

Hydrogeologic Information

Hydrogeologic information was not available for the following:

Water-Bearing Formations Groundwater Level Trends Groundwater Storage

Groundwater Budget (Type B)

The estimate of groundwater extraction for the Lake Britton Area Basin is based on 1995 survey conducted by the California Department of Water Resources. The survey included land use and sources of water. Groundwater extraction for municipal and industrial uses is estimated to be 5 acre-feet. Deep percolation of applied water is estimated to be 10 acre-feet.

Groundwater Quality

Well Characteristics

Well yields (gal/min)				
wen yields (gannin)				
Municipal/Irrigation	Range: NKD			
Total depths (ft)				
Domestic	Range: 46 – 415	Average: 133 (17 Well Completion Reports)		
Municipal/Irrigation	Range: NKD			

Active Monitoring Data

Agency	Parameter	Number of wells /measurement frequency
	Groundwater levels	NKD
	Miscellaneous water quality	NKD
Department of Health Services	Miscellaneous water quality	2

Basin Management

Groundwater management: Shasta County adopted a groundwater

management ordinance in 1998

Water agencies

Public None
Private None

Selected References

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